PTO/SB/21 (08-03)

Approved for use through 08/30/2003, OMB 0651-0031

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Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/821.010 TRANSMITTAL Filing Date 04/08/2004 **FORM** First Named Inventor Xiong et al Art Unit (to be used for all correspondence after initial filing) Not Assigned **Examiner Name** Not Assigned Attorney Docket Number 46 3723 (SP#215) Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance communication Fee Transmittal Form Drawing(s) to Technology Center (TC) Appeal Communication to Board Licensing-related Papers Fee Attached of Appeals and Interferences Appeal Communication to TC Petition (Appeal Notice, Brief, Reply Brief) Fimendment/Reply Petition to Convert to a Proprietary Information After Final **Provisional Application** Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Terminal Disclaimer Extension of Time Request Identify below): Request for Refund **Express Abandonment Request** CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority Document(s) return receipt postcard Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Gregory N. Clements DOUGHERTY, CLEMENTS & HOFER Individual name Signature Date April 23, 2004 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name Nancy Burns Date

This collection of information is required by 37 CFR 1.5. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Ccmmissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

April 23.

2004

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SP #215 (3723)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

XIONG et al.

Serial No.:

10/821,010

TITLE:

BIAXIALLY TEXTURED FILM DEPOSITION

FOR SUPERCONDUCTOR COATED TAPES

Filing Date:

April 8, 2004

Examiner:

Not Assigned Yet

Art Unit:

Not Assigned Yet

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to Applicant's duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the documents listed on the attached Form PTO/SB/08A&B are being brought to the attention of the Examiner in charge of the above-referenced Application.

The Examiner is respectfully requested to initial the space adjacent to the listing of each document on Form PTO/SB/08A&B, and return a copy of the initialed Form PTO/SB/08A&B with the next communication to Applicant, to confirm that these documents have been considered by the Examiner and made of record in this Application.

Certification Under 37 CFR §1.97(b):

This statement is being filed with the application. Accordingly, Applicant does not believe any fee is due. If this is incorrect, however, please charge any fees due to **Deposit Account No. 04-1448**.

The above-referenced information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R. §§1.104(a) and 1.104(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this Application, and that the references be made of record therein and appear among the "References Cited" on any patent that issues therefrom.

If Examiner has any questions or wishes to discuss this Application, Examiner is kindly encouraged to telephone undersigned.

Respectfully submitted,

Date: 423, 2004

Gregory N Clements
Attorney for Applicants
Registration # 30,713

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GNC/nb

Enclosures

PTO/SB/08A (08-03) Approved for use through 01/31/2006. OMB 0651-0031

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Application Num
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Sheet 1 of

Complete if Known				
Application Number	10/821,010			
Filing Date	04/08/2004			
First Named Inventor	XIONG et al.			
Group Art Unit	Not Assigned Yet			
Examiner Name	Not Assigned Yet			
Attorney Docket Number	3723 - SP#215			

Examiner Initials*	Cite No.1	Document Number Number- Kind Code 2 (if known)		ion Date 0-YYYY		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevan Figures Appear
	1	US-6,361,598	03/26	/2002	Ralac	handran et al.	r iguies Appeal
	2	US-6,537,689		/2003		pp et al.	
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE				Application Number	10/821,010	
				Filing Date	04/08/2004	
STATEMENT BY APPLICANT			CANT	First Named Inventor	XIONG et al.	
(use as many sheets as necessary)				Group Art Unit	Not Assigned Yet	
,				Examiner Name	Not Assigned Yet	
Sheet	2	of	2	Attorney Docket Number	3723 - SP#215	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials•	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T:
	3	HASEGAWA, K. et al., Proc. of 16 th ICEC/ICMC Proceedings, Amsterdam: Elsevier Science pp. 1413-1416. (1997)	
	4	DIMOS, D. et al., Orientation Dependence of Grain Boundary Critical Currents in YBa ₂ Cu ₃ O _{7-δ} Bicrystals, The American Physical Society, Physical Review Letters, Vol. 61, #2, pp. 219-222, (July 11, 1988)	
	5	DIMOS, D. et al., Superconducting Transport Properties of Grain Boundaries in YBa ₂ Cu ₃ O _{7-δ} Bicrystals, The American Physical Society, Physical Review Letters, Vol. 41, #7, pp. 4038-4049, (March 1, 1990)	
	6	GROVES, JAMES R.; et al., Development of the IBAD MgO Process for HTS Coated Conductors, 2001 International Workshop on Superconductivity, Honolulu, HI, June 24 -27, 2001	
	7	BAUER, M., et al., YBCO Films on Metal Substrates with Biaxially Aligned MgO Buffer Layers, IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, Vol. 9, No. 2, pp. 1502 – 1505, (June, 1999)	
	8	FOLTYN, STEPHEN R., et al., High-T _c Coated Conductors – Performance of Meter-Long YBCO/IBAD Flexible Tapes, IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, Vol. 9, No. 2, pp. 1519-1522 (June 1999)	
	9	XIONG, XUMING, et al., Rapid Deposition of Biaxially-textured CeO2 Buffer Layers on Polycrystalline Nickel Alloy for Superconducting Tapes By Ion Assisted Pulsed Laser Deposition, PHYSICA C, 336 (2000) pp. 70-74	
	10	READE, R. P., Ion-Beam Nanotexturing of Buffer Layers for Near-Single-Crystal Thin-Film Deposition: Application to YBa ₂ Cu ₃ O _{7-δ} Superconducting Films, Applied. Phys. Letter, Vol. 80, No. 8, pp. 1352-1354 (2002)	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O.Box1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.